BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of the work: **Modified Estimate for Emergency works (Construction of Culverts and other Works) in Ward No. 09 of Vidyaranyapura Sub Division.**

							Estimated Cost:		1958355.00
Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
1	KSRB 2-2.2 : Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No, KBS 2.1(a) / 2.3.5, **Page No. 5 / Item No. 2.3/ PWD SR 2014-15**	Cum							
	Culvert @ 7th Main BEL 4th Block		1	11.90	1.80	1.20	25.70		
	Culvert @ 6th Main BEL 3rd Block Entr		1	2.40	1.80	1.20	5.18		
	7th A Cross Sapthagiri LO		1	4.90	1.80	1.20	10.58		
	7th A Cross Sapthagiri LO		1	10.40	1.80	1.20	22.46		
	Anjaneya Swamy Temple Road near Borewell		1	8.60	1.80	1.20	18.58		
	Anjaneya Swamy Temple Road		1	9.10	1.80	1.20	19.66		
	12th Main HMT Layout 2nd Block		1	9.00	1.80	1.20	19.44		
	GKVK Double Road Somanna Garden		1	4.80	1.80	1.20	10.37		
	For CC Drain		1	7.60	0.90	0.90	6.16		
	SSM Drain		1	15.00	1.10	2.75	45.38		
	CC Road		1	80.00	4.20	0.15	50.40		
	Total Executed Qty						**233.91**	260.00	**60816.00**
2	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	Culvert @ 7th Main BEL 4th Block		1	11.90	1.80	0.15	3.21		
	Culvert @ 6th Main BEL 3rd Block Entr		1	2.40	1.80	0.15	0.65		
	7th A Cross Sapthagiri LO		1	4.90	1.80	0.15	1.32		
	7th A Cross Sapthagiri LO		1	10.40	1.80	0.15	2.81		
	Anjaneya Swamy Temple Road near Borewell		1	8.60	1.80	0.15	2.32		
	Anjaneya Swamy Temple Road		1	9.10	1.80	0.15	2.46		
	12th Main HMT Layout 2nd Block		1	9.00	1.80	0.15	2.43		
	GKVK Double Road Somanna Garden		1	4.80	1.80	0.15	1.30		
	For CC Drain		1	7.60	0.90	0.15	1.03		
			1	15.00	1.00	0.15	2.25		
			1	80.00	4.20	0.15	50.40		
	Total Qty						**70.17**	TP	
	Qty upto 125%						**48.49**	4840.00	**234680.00**
	Qty Above 125%						**21.69**	4926.44	**106832.00**
	PWD R 2015-16 Basic Rate	4695.00							

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	Area Weightage @ 8%	281.70							
	Total	**4976.70**							
	Tender Premium -1.01%	**50.26**							
		4926.44							
3	KSRB 5.2.3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing compiete as per specifications.KBS 5.1.13 **Page No. 23 / Item No. 5.6 / PWD SR 2014-15**	Cum							
			1	15.00	1.00	1.50	22.50	TP	
							22.50	3830.00	**86175.00**
4	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 **Page No. 23 / Item No. 5.9 / PWD SR 2014-15**	Cum							
	Culvert @ 7th Main BEL 4th Block		1	11.90	0.60	0.90	6.43		
			1	11.00	0.60	0.90	5.94		
	Culvert @ 6th Main BEL 3rd Block Entr		2	12.00	0.60	0.90	12.96		
	7th A Cross Sapthagiri LO		2	4.90	0.60	0.90	5.29		
	7th A Cross Sapthagiri LO		1	10.40	0.60	0.90	5.62		
			1	8.40	0.60	0.90	4.54		
	Anjaneya Swamy Temple Road near Borewell		2	8.60	0.60	0.90	9.29		
	Anjaneya Swamy Temple Road		2	9.10	0.60	0.90	9.83		
	12th Main HMT Layout 2nd Block		2	9.00	0.60	0.90	9.72		
	GKVK Double Road Somanna Garden		2	4.80	0.60	0.90	5.18		
			1	15.00	0.60	1.00	9.00	TP	
							83.79	4540.00	**380407.00**
5	KSRB 15.1.4: Providing ruled pointing to coursed stone masonry with cement mortar 1:4, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications cement mortar 1:4. **Page No. 109 / Item No. 15.4 / PWD SR 2014-15**	Sqm							
	Culvert @ 7th Main BEL 4th Block		1	11.90		0.90	10.71		
			1	11.00		0.90	9.90		
	Culvert @ 6th Main BEL 3rd Block Entr		2	12.00		0.90	21.60		
	7th A Cross Sapthagiri LO		2	4.90		0.90	8.82		
	7th A Cross Sapthagiri LO		1	10.40		0.90	9.36		
			1	8.40		0.90	7.56		
	Anjaneya Swamy Temple Road near Borewell		2	8.60		0.90	15.48		
	Anjaneya Swamy Temple Road		2	9.10		0.90	16.38		
	12th Main HMT Layout 2nd Block		2	9.00		0.90	16.20		
	GKVK Double Road Somanna Garden		2	4.80		0.90	8.64		
			2	15.00		1.50	45.00	TP	
							169.65	90.00	**15269.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
6	KSRB 4-1.6 : Providing and laying in position plain cement concrete of **mix 1:2:4 with cement @ 240 kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications, specification. No. KBS 4.1,4.2. **No. 12/ Item No. 4.6/ PWD SR 2014-15**	Cum							
	For Culvert Coping								
	Culvert @ 7th Main BEL 4th Block		1	10.70	1.80	0.10	1.93		
	Culvert @ 6th Main BEL 3rd Block Entr		1	12.00	1.80	0.10	2.16		
	7th A Cross Sapthagiri LO		1	4.90	1.80	0.10	0.88		
	7th A Cross Sapthagiri LO		1	9.40	1.80	0.10	1.69		
	Anjaneya Swamy Temple Road near Borewell		1	8.60	1.80	0.10	1.55		
	Anjaneya Swamy Temple Road		1	9.10	1.80	0.10	1.64		
	12th Main HMT Layout 2nd Block		1	9.00	1.80	0.10	1.62		
	GKVK Double Road Somanna Garden		1	4.80	1.80	0.10	0.86		
			2	15.00	0.60	0.10	1.80		
	Ramp								
	Culvert @ 7th Main BEL 4th Block		1	11.90	0.60	0.15	1.07		
			1	11.00	0.60	0.15	0.99		
	Culvert @ 6th Main BEL 3rd Block Entr		2	12.00	0.60	0.15	2.16		
	7th A Cross Sapthagiri LO		2	4.90	0.60	0.15	0.88		
	7th A Cross Sapthagiri LO		1	10.40	0.60	0.15	0.94		
			1	8.40	0.60	0.15	0.76		
	Anjaneya Swamy Temple Road near Borewell		2	8.60	0.60	0.15	1.55		
	Anjaneya Swamy Temple Road		2	9.10	0.60	0.15	1.64		
	12th Main HMT Layout 2nd Block		2	9.00	0.60	0.15	1.62		
	GKVK Double Road Somanna Garden		2	4.80	0.60	0.15	0.86	TP	
							26.60	5300.00	**140954.00**
7	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal**, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3lts confirming to IS 9103-1999 reaffirmed-2008 machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, **No. 13/ Item No. 4.11/ PWD SR 2014-15**	Cum							
	Culvert @ 7th Main BEL 4th Block		1	10.70	1.50	0.23	3.69		
	Culvert @ 6th Main BEL 3rd Block Entr		1	12.00	1.80	0.23	4.97		
	7th A Cross Sapthagiri LO		1	4.90	1.50	0.23	1.69		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	7th A Cross Sapthagiri LO		1	9.40	1.50	0.23	3.24		
	Anjaneya Swamy Temple Road near Borewell		1	8.60	1.50	0.23	2.97		
	Anjaneya Swamy Temple Road		1	9.10	1.50	0.23	3.14		
	12th Main HMT Layout 2nd Block		1	9.00	1.50	0.23	3.11		
	GKVK Double Road Somanna Garden		1	4.80	1.50	0.23	1.66		
	For CC Drain		1	7.60	0.90	0.15	1.03		
	Side Wall		2	7.60	0.15	0.90	2.05		
	Covering Slab		1	7.60	0.90	0.10	0.68		
	Existing Drain Covering Slab near BESCOM Office		1	38.00	1.20	0.10	4.56		
	Kodigehalli Thindlu Main near Prakrithi Apart		1	30.00	1.20	0.10	3.60		
			1	30.00	1.20	0.10	3.60		
			1	25.00	1.20	0.10	3.00		
							42.98		
	CC Road		1	78.00	4.20	0.10	32.76		
	Total Qty						**75.74**	TP	
	Qty upto 125%						**56.36**	6000.00	**338175.00**
	Qty Above 125%						**19.38**	6021.90	**116704.00**
	PWD R 2015-16 Basic Rate	5739.00							
	Area Weightage @ 8%	344.34							
	Total	**6083.34**							
	Tender Premium -1.01%	**61.44**							
		6021.90							
8	KSRB 4.9.1: **Providing mild steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 / PWD SR 2014-15**	Qtl							
	For Roof, Columns @ 90 Kg / Cum		0.90	42.98			**38.68**	7900.00	**305606.00**
9	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for **vertical surface such as walls at any thickness**, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 15 / Item No. 4.31/ PWD SR 2014-15**	Sqm							
	Culvert @ 7th Main BEL 4th Block		1	10.70	0.60		6.42		
	Culvert @ 6th Main BEL 3rd Block Entr		1	12.00	0.60		7.20		
	7th A Cross Sapthagiri LO		1	4.90	0.60		2.94		
	7th A Cross Sapthagiri LO		1	9.40	0.60		5.64		
	Anjaneya Swamy Temple Road near Borewell		1	8.60	0.60		5.16		
	Anjaneya Swamy Temple Road		1	9.10	0.60		5.46		
	12th Main HMT Layout 2nd Block		1	9.00	0.60		5.40		
	GKVK Double Road Somanna Garden		1	4.80	0.60		2.88		
	Culvert @ 7th Main BEL 4th Block		2	10.70		0.23	4.92		
	Culvert @ 6th Main BEL 3rd Block Entr		2	12.00		0.23	5.52		
	7th A Cross Sapthagiri LO		2	4.90		0.23	2.25		

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	7th A Cross Sapthagiri LO		2	9.40		0.23	4.32		
	Anjaneya Swamy Temple Road near Borewell		2	8.60		0.23	3.96		
	Anjaneya Swamy Temple Road		2	9.10		0.23	4.19		
	12th Main HMT Layout 2nd Block		2	9.00		0.23	4.14		
	GKVK Double Road Somanna Garden		2	4.80		0.23	2.21		
			7x2	1.50		0.23	4.83		
			1	1.80		0.23	0.41		
	For CC Drain 7th A Cross Sapthagiri Layout Side Wall		4	7.60		0.60	18.24		
	Covering Slab		1	7.60	0.60		4.56		
	Existing Drain Covering Slab near BESCOM Office		1	38.00	0.60		22.80		
	Kodigehalli Thindlu Main near Prakrithi Apart		1	30.00	0.60		18.00		
			1	30.00	0.60		18.00		
			1	25.00	0.60		15.00		
	Covering Sides		1	7.60		0.15	1.14		
	Existing Drain Covering Slab near BESCOM Office		1	38.00		0.15	5.70		
	Kodigehalli Thindlu Main near Prakrithi Apart		1	30.00		0.15	4.50		
			1	30.00		0.15	4.50		
			1	25.00		0.15	3.75		
	Total Qty						**194.04**	TP	
	Qty upto 125%						**105.38**	290.00	**30559.00**
	Qty Above 125%						**88.67**	298.00	**26423.00**
	PWD R 2015-16 Basic Rate	284.00							
	Area Weightage @ 8%	17.04							
	Total	**301.04**							
	Tender Premium -1.01%	**3.04**							
		298.00							
10	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour complete as per specifications, specification. No. KBS 2.9, **Page No. 6 / Item No. 2.10 / PWD SR 2014-15**	Cum							
			Not Executed						
11	KSRB 8.3-1 Providing and laying to required line and slope roofing with corrugated asbestos cement sheet 6mm thick fixed with galvanised iron J or L hooks, bolts and nuts 8 mm dia C.I. plain and bitumen washers over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Specification No KBS 8.5 **Page No. 46 / Item No. 8.3 / PWD SR 2014-15**	Sqm							
			Not Executed						

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
12	Fabricating, supplying anderecting MS Angular Truss for all spans as per approved designs and drawing the entire turss is anchored suitably by using 4 Nos/ of M.S anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening placing in position of MS angle and welding wherever necessary and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges and hire charges of machineries foe cutting, welding, grinding and erection equipments etc complete as per specificaiton **Page No. 41 / Item No. 7.30 / PWD SR 2014-15**	Kgs							
			Not Executed						
13	Providing and fixing Special make glazed Vitrified tiles (Granomite finis) of approved make, quality and colour of sized 6000x600x10mm thick fixed on existing flooring wit ha special roffe adhesive for flooring and skirting etc., complete including providing spears at required interval and removing stains etc., complete. **Page No. 104 / Item No. 14.43 / PWD SR 2014-15**	Sqm							
			Not Executed						
14	Providing and laying platform using prepolised water cutt / gang saw 40mm thick telephonic black granite laid on existing vertical supports and fixing in CM 1:3 proporation including cutting to required shape, pattern with paper joints including full rounding for nising finished with cement mortar, pointed with colour pigments to match the colour of slab making though jointing with sealant making holes 25mm x 12 mm grooves in joints including curing **Page No. 105 / Item No. 14.52 / PWD SR 2014-15**	Sqm							
			Not Executed						
15	KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. **Page No. 138 / Item No. 19.1/ PWD SR 2014-15**	Cum							
	Drain Desilting								
			2	230.00	0.45	0.40	82.80		
			2	350.00	0.45	0.40	126.00		
	Berm Cutting								
			2	230.00	0.90	0.25	103.50		
			2	350.00	0.90	0.25	157.50	TP	
							469.80	74.00	**34765.00**
16	Lead for Disposal of Debris shall be payable at carriage rates by Mechanical means inlcuding loading and unloading. From 0.00 to 2.00 Km	Cum							
			Vide Item No. 1				**703.71**	70.00	**49259.00**

Sl. No	Description	Unit	No.	L	B	D	Qty	Rate	Amount
	EIRL								
17	Vaccum De-watering with vaccum pump and suction ..iat and compaction with skin floater clubbed with floating disc including cost of generator HOM of machinery Screed Vibratiry, Power Floater, blade and disc etc., with all lead and lift No. **174 / Item No. 22.7 / PWD SR 2015-16**	Sqm							
			1	80.00	4.20		**336.00**	94.44	**31731.00**
	PWD R 2015-16 Basic Rate	90.00							
	Area Weightage @ 8%	5.40							
	Total	**95.40**							
	Tender Premium -1.01%	**0.96**							
		94.44							
								Total	**1958355.00**
Rupees Nineteen Lakh(s) Fifty Eight Thousand Three Hundred Fifty Five Only									

CERTIFICATE:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15, 2015-16 +/- Tender Premium.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 09

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer 7.9.16
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
08.07.16 Bangalore 92